

## Gregory, Bernarr

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**From:** PLUS  
**Sent:** Tuesday, May 10, 2005 2:48 PM  
**To:** Gregory, Bernarr  
**Subject:** PLUS Results for 10501709

Here are the PLUS search results for 10501709.

This search was prepared by the staff of the Scientific and Technical Information Center, SIRA. If you have questions or comments about this search, please reply via email to [PLUS@uspto.gov](mailto:PLUS@uspto.gov).



10501709\_QUAL.txt



10501709\_LIST.txt



10501709\_WEST.txt



10501709\_EAST.txt



10501709.east



10501709\_CLS.txt



10501709\_CLSTITLES.t

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10501709\_WDS.txt

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PLUS Search Results for S/N 10501709, Searched May 09, 2005

The Patent Linguistics Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to the present. PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

5424745	4801941	5418544	4803489	5483242	6587073
5760732	4841308	5959571	5506585	5528354	6677891
5563604	4893129	6008760	6166677	5920280	6727845
4885556	4920347	6052078	4348675	5926126	6750657
5243352	4951061	6061016	4403314	6311121	6806824
5252983	4956614	6236364	4413563	6885968	5977904
6323802	4962382	5841395	4510495	5510990	4992796
5880698	5187491	6204804	4757315	5731778	5659318
6202485	5337016	6043772	H000514	5943476	6163293
6499346	5357260	6127963	4792811	3825341	RE29401
6614391	5381444	6276199	4896116	4335383	4244036
5497158	5412617	6388606	4918684	4343000	4333082
6011507	5541612	5412391	5014070	4520362	4387377
6087975	5543720	5291209	5177496	4543577	4437099
6104336	5598163	4876547	5227797	4549181	4472718
4459596	5614916	5296865	5227799	4622553	4480254
4806934	5677694	5539408	5432519	4857934	4521778
5905457	5867120	3697993	5485159	4929951	4785304
6133997	5900837	3903525	5485162	5426435	5241313
5659321	5926128	3860924	5512899	5504719	5245448
6369748	5955992	4058809	5525967	5548662	5290037
4312002	5969686	4320397	5548290	5680097	5486002
4973966	6021096	4338608	5559755	5805526	5670961
5323162	6037910	4434424	5592170	5828626	5686919
5493308	6067048	4608566	5606737	6018308	H001720
5579010	6147648	4855747	5644314	6025797	5751241
5977903	6157499	4910526	5717399	6148224	5872628
6018307	6310575	4914441	5777572	6147637	6043773
6130607	6873569	5231402	5874917	6212129	6172648
6343810	4359738	5337082	5955991	6212129	6335595
6359597	4358766	5467092	6043784	6279946	6559790
6370475	4628320	5579021	6137435	6324453	6822612
6474683	4868579	5644315	6150974	6393133	6232910
4963890	5345246	5784026	6169512	6397136	5625362
4843397	5361073	6081223	6218981	6408247	5633642

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6097669	5363104	6441772	6218981	6445988	5774045
6215458	5418539	6633253	6243024	6452870	5973636
6215458	6087976	6686874	6252538	6459973	6040796
6327221	4263539	6765525	6325414	6611741	6229474
6549487	4345257	4425793	6335624	6631324	6246357
4897664	4365173	5729234	6380884	6812883	6683557
5008677	4379296	6405107	6384768	6862527	6741204
4340892	4384292	5870056	6385268	4945360	6816107
4348680	4500882	4843398	6400754	5614911	4527151
4400701	4586045	5353030	6518916	5182565	4630052
4468673	4771288	5610609	6623033	5438867	4403220
4553113	5214432	5771456	6749218	RE35607	5264855
4608569	5247311	5874918	6755273	5689265	5670886
4791424	5293176	5933110	6762709	6107957	5864061
4796031	5298908	5982164	6820897	6549174	6079269

10501709\_CLSTITLES

Titles of Most Frequently Occurring Classifications of Patents Returned

From A Search of 10501709 on May 09, 2005

49	342/70	(36 OR, 13 XR)
	Class 342 :	COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/61	RETURN SIGNAL CONTROLS EXTERNAL DEVICE
	342/70	.Radar mounted on and controls land vehicle
23	342/196	(2 OR, 21 XR)
	Class 342 :	COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/175	WITH PARTICULAR CIRCUIT
	342/195	.Digital processing
	342/196	..Fast fourier transform (FFT)
18	342/195	(0 OR, 18 XR)
	Class 342 :	COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/175	WITH PARTICULAR CIRCUIT
	342/195	.Digital processing
14	280/735	(6 OR, 8 XR)
	Class 280 :	LAND VEHICLES
	280/29	WHEELED
	280/727	.Attachment
	280/728.1	..Inflatable passenger restraint or confinement
		(e.g., air bag) or attachment
	280/734	...Responsive to vehicle condition
	280/735	....Electric control and/or sensor means
14	342/124	(9 OR, 5 XR)
	Class 342 :	COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/118	DETERMINING DISTANCE
	342/124	.Material level within container
12	342/159	(4 OR, 8 XR)
	Class 342 :	COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/159	CLUTTER ELIMINATION
12	342/175	(1 OR, 11 XR)
	Class 342 :	COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES

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342/175 WITH PARTICULAR CIRCUIT

12 342/71 (3 OR, 9 XR)  
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
 AND DEVICES  
 342/61 RETURN SIGNAL CONTROLS EXTERNAL DEVICE  
 342/70 .Radar mounted on and controls land vehicle  
 342/71 ..With control of brakes or steering

11 342/192 (2 OR, 9 XR)  
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
 AND DEVICES  
 342/175 WITH PARTICULAR CIRCUIT  
 342/192 .Spectrum analysis

10 342/109 (1 OR, 9 XR)  
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
 AND DEVICES  
 342/104 DETERMINING VELOCITY  
 342/109 .Combined with determining distance

10 342/115 (2 OR, 8 XR)  
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
 AND DEVICES  
 342/104 DETERMINING VELOCITY  
 342/115 .Digital

9 342/118 (1 OR, 8 XR)  
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
 AND DEVICES  
 342/118 DETERMINING DISTANCE

9 342/128 (0 OR, 9 XR)  
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
 AND DEVICES  
 342/118 DETERMINING DISTANCE  
 342/128 .With frequency modulation

9 342/27 (0 OR, 9 XR)  
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
 AND DEVICES  
 342/27 PRESENCE DETECTION ONLY

9 343/771 (3 OR, 6 XR)  
 Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS  
 343/700R ANTENNAS  
 343/767 .Slot type  
 343/770 ..Plural

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343/771                   ...With wave guide coupling

9   701/45               (4 OR, 5 XR)  
       Class   701 :   DATA PROCESSING: VEHICLES, NAVIGATION, AND  
                       RELATIVE LOCATION  
       701/1             VEHICLE CONTROL, GUIDANCE, OPERATION, OR  
                           INDICATION  
       701/36            .Vehicle subsystem or accessory control  
       701/45            ..Control of vehicle safety devices (e.g.,  
                           airbag, seat-belt, etc.)

8   342/160             (3 OR, 5 XR)  
       Class   342 :   COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
                       AND DEVICES  
       342/159           CLUTTER ELIMINATION  
       342/160           .MTI (Moving target indicator)

8   342/22             (6 OR, 2 XR)  
       Class   342 :   COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
                       AND DEVICES  
       342/22            TRANSMISSION THROUGH MEDIA OTHER THAN AIR OR  
                           FREE SPACE

8   342/379             (3 OR, 5 XR)  
       Class   342 :   COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
                       AND DEVICES  
       342/350           DIRECTIVE  
       342/378           .Utilizing correlation techniques  
       342/379           ..Side lobe elimination

8   701/301             (4 OR, 4 XR)  
       Class   701 :   DATA PROCESSING: VEHICLES, NAVIGATION, AND  
                       RELATIVE LOCATION  
       701/300           RELATIVE LOCATION  
       701/301           .Collision avoidance

7   342/107             (0 OR, 7 XR)  
       Class   342 :   COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
                       AND DEVICES  
       342/104           DETERMINING VELOCITY  
       342/107           .Combined with determining distance and  
                           direction

7   342/146             (0 OR, 7 XR)  
       Class   342 :   COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
                       AND DEVICES  
       342/118           DETERMINING DISTANCE  
       342/146           .Combined with determining direction

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- 7 342/162 (1 OR, 6 XR)  
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
 AND DEVICES  
 342/159 CLUTTER ELIMINATION  
 342/160 .MTI (Moving target indicator)  
 342/162 ..Digital
- 7 342/165 (1 OR, 6 XR)  
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
 AND DEVICES  
 342/165 TESTING OR CALIBRATING OF RADAR SYSTEM
- 7 342/179 (2 OR, 5 XR)  
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
 AND DEVICES  
 342/175 WITH PARTICULAR CIRCUIT  
 342/176 .Display  
 342/179 ..Image production
- 7 342/28 (2 OR, 5 XR)  
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
 AND DEVICES  
 342/27 PRESENCE DETECTION ONLY  
 342/28 .By motion detection
- 7 342/381 (3 OR, 4 XR)  
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
 AND DEVICES  
 342/350 DIRECTIVE  
 342/378 .Utilizing correlation techniques  
 342/379 ..Side lobe elimination  
 342/381 ...Difference of each antenna channel signal
- 7 343/700MS (4 OR, 3 XR)  
 Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS  
 343/700R ANTENNAS  
 343/700MS .Microstrip
- 6 342/161 (3 OR, 3 XR)  
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
 AND DEVICES  
 342/159 CLUTTER ELIMINATION  
 342/160 .MTI (Moving target indicator)  
 342/161 ..With vehicle movement compensation (e.g.,  
 AMTI (Airborn MTI))
- 6 342/89 (0 OR, 6 XR)

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Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES

342/73 RETURN SIGNAL CONTROLS RADAR SYSTEM

342/89 .Receiver

6 342/99 (0 OR, 6 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES

342/73 RETURN SIGNAL CONTROLS RADAR SYSTEM

342/89 .Receiver

342/98 ..Frequency

342/99 ...Doppler frequency tracking

6 343/754 (2 OR, 4 XR)

Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS

343/700R ANTENNAS

343/753 .With spaced or external radio wave refractor  
(e.g., lens)

343/754 ..With scanning, sweeping, or orienting

6 343/786 (2 OR, 4 XR)

Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS

343/700R ANTENNAS

343/772 .Wave guide type (e.g., horn)

343/786 ..With horn

6 343/872 (0 OR, 6 XR)

Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS

343/700R ANTENNAS

343/872 .With housing or protective covering

5 73/290R (3 OR, 2 XR)

Class 073 : MEASURING AND TESTING

73/290R LIQUID LEVEL OR DEPTH GAUGE

5 340/436 (2 OR, 3 XR)

Class 340 : COMMUNICATIONS: ELECTRICAL

340/425.5 LAND VEHICLE ALARMS OR INDICATORS

340/436 .Of collision or contact with external object

5 340/903 (1 OR, 4 XR)

Class 340 : COMMUNICATIONS: ELECTRICAL

340/901 EXTERNAL CONDITION VEHICLE-MOUNTED INDICATOR O

R

ALARM

340/902 .Transmitter in another vehicle (e.g.,  
emergency vehicle)



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340/903                   ..Relative distance between vehicles (e.g.,  
                            collision alert)

5   342/104               (1 OR, 4 XR)  
      Class   342 :   COMMUNICATIONS:  DIRECTIVE RADIO WAVE SYSTEMS  
                            AND DEVICES  
      342/104               DETERMINING VELOCITY

5   342/111               (1 OR, 4 XR)  
      Class   342 :   COMMUNICATIONS:  DIRECTIVE RADIO WAVE SYSTEMS  
                            AND DEVICES  
      342/104               DETERMINING VELOCITY  
      342/109               .Combined with determining distance.  
      342/111               ..With plural receiver frequency band  
                            separation

5   342/145               (1 OR, 4 XR)  
      Class   342 :   COMMUNICATIONS:  DIRECTIVE RADIO WAVE SYSTEMS  
                            AND DEVICES  
      342/118               DETERMINING DISTANCE  
      342/145               .With correlation

5   342/147               (0 OR, 5 XR)  
      Class   342 :   COMMUNICATIONS:  DIRECTIVE RADIO WAVE SYSTEMS  
                            AND DEVICES  
      342/147               DETERMINING DIRECTION

5   342/158               (0 OR, 5 XR)  
      Class   342 :   COMMUNICATIONS:  DIRECTIVE RADIO WAVE SYSTEMS  
                            AND DEVICES  
      342/147               DETERMINING DIRECTION  
      342/158               .Scanning

5   342/194               (0 OR, 5 XR)  
      Class   342 :   COMMUNICATIONS:  DIRECTIVE RADIO WAVE SYSTEMS  
                            AND DEVICES  
      342/175               WITH PARTICULAR CIRCUIT  
      342/194               .Complex signal (in phase and quadrature)

5   342/25R               (3 OR, 2 XR)  
      Class   342 :   COMMUNICATIONS:  DIRECTIVE RADIO WAVE SYSTEMS  
                            AND DEVICES  
      342/25R               SYNTHETIC APERTURE RADAR

5   342/378               (4 OR, 1 XR)  
      Class   342 :   COMMUNICATIONS:  DIRECTIVE RADIO WAVE SYSTEMS  
                            AND DEVICES  
      342/350               DIRECTIVE

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342/378 .Utilizing correlation techniques

5 342/384 (2 OR, 3 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES

342/350 DIRECTIVE

342/378 .Utilizing correlation techniques

342/384 ..Difference of each antenna channel signal

5 342/72 (0 OR, 5 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES

342/61 RETURN SIGNAL CONTROLS EXTERNAL DEVICE

342/70 .Radar mounted on and controls land vehicle

342/72 ..With control of safety device (e.g., air  
bags)

5 342/74 (3 OR, 2 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES

342/73 RETURN SIGNAL CONTROLS RADAR SYSTEM

342/74 .Antenna control

5 342/94 (1 OR, 4 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES

342/73 RETURN SIGNAL CONTROLS RADAR SYSTEM

342/89 .Receiver

342/94 ..Gating

5 343/756 (2 OR, 3 XR)

Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS  
ANTENNAS

343/700R .With polarization filter or converter

343/756

5 701/300 (0 OR, 5 XR)

Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND  
RELATIVE LOCATION

701/300 RELATIVE LOCATION

4 180/271 (0 OR, 4 XR)

Class 180 : MOTOR VEHICLES

180/271 WITH MEANS FOR PROMOTING SAFETY OF VEHICLE, IT

S

OCCUPANT OR LOAD, OR AN EXTERNAL OBJECT

4 324/642 (1 OR, 3 XR)

Class 324 : ELECTRICITY: MEASURING AND TESTING

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324/600 IMPEDANCE, ADMITTANCE OR OTHER QUANTITIES  
REPRESENTATIVE OF ELECTRICAL STIMULUS/RE

SPONSE

RELATIONSHIPS

324/629 .Distributive type parameters  
324/637 ..Using transmitted or reflected microwaves  
324/642 ...Where energy is reflected (e.g.,  
reflectometry)

- 4 333/21A (1 OR, 3 XR)  
Class 333 : WAVE TRANSMISSION LINES AND NETWORKS  
333/21R WAVE MODE CONVERTERS  
333/21A .Polarization converters
- 4 340/901 (0 OR, 4 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/901 EXTERNAL CONDITION VEHICLE-MOUNTED INDICATOR O

R

ALARM

- 4 342/127 (0 OR, 4 XR)  
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES  
342/118 DETERMINING DISTANCE  
342/127 .Phase comparison
- 4 342/139 (0 OR, 4 XR)  
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES  
342/118 DETERMINING DISTANCE  
342/134 .With pulse modulation  
342/139 ..Combined with determining direction
- 4 342/149 (2 OR, 2 XR)  
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES  
342/147 DETERMINING DIRECTION  
342/149 .Monopulse
- 4 342/16 (2 OR, 2 XR)  
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES  
342/13 RADAR EW (ELECTRONIC WARFARE)  
342/16 .ECCM (Electronic counter-countermeasures,  
i.e., antijamming)
- 4 342/17 (3 OR, 1 XR)  
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS

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AND DEVICES

342/13 RADAR EW (ELECTRONIC WARFARE)  
342/16 .ECCM (Electronic counter-countermeasures,  
i.e., antijamming)  
342/17 ..Radar reacts to jamming

4 342/173 (0 OR, 4 XR)  
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES  
342/165 TESTING OR CALIBRATING OF RADAR SYSTEM  
342/173 .By monitoring

4 342/174 (3 OR, 1 XR)  
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES  
342/165 TESTING OR CALIBRATING OF RADAR SYSTEM  
342/173 .By monitoring  
342/174 ..Calibrating

4 342/25A (2 OR, 2 XR)  
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES  
342/25R SYNTHETIC APERTURE RADAR  
342/25A .Mapping or imaging using synthetic aperture  
radar (EPO)

4 342/361 (2 OR, 2 XR)  
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES  
342/350 DIRECTIVE  
342/361 .Including polarized signal communication  
transmitter or receiver

4 342/368 (2 OR, 2 XR)  
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES  
342/350 DIRECTIVE  
342/368 .Including a steerable array

4 342/372 (2 OR, 2 XR)  
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES  
342/350 DIRECTIVE  
342/368 .Including a steerable array  
342/371 ..With electronic scanning  
342/372 ...Controlled

4 342/382 (3 OR, 1 XR)

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Class	342	:	COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
342/350			DIRECTIVE
342/378			.Utilizing correlation techniques
342/379			..Side lobe elimination
342/382			...Mixing each antenna channel signal
4	342/59	(1 OR, 3 XR)	
Class	342	:	COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
342/59			PLURAL RADAR
4	342/90	(2 OR, 2 XR)	
Class	342	:	COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
342/73			RETURN SIGNAL CONTROLS RADAR SYSTEM
342/89			.Receiver
342/90			..Automatic target detection
4	342/92	(1 OR, 3 XR)	
Class	342	:	COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
342/73			RETURN SIGNAL CONTROLS RADAR SYSTEM
342/89			.Receiver
342/91			..Gain or threshold
342/92			...Automatic gain control (AGC)
4	343/770	(1 OR, 3 XR)	
Class	343	:	COMMUNICATIONS: RADIO WAVE ANTENNAS
343/700R			ANTENNAS
343/767			.Slot type
343/770			..Plural
4	343/785	(1 OR, 3 XR)	
Class	343	:	COMMUNICATIONS: RADIO WAVE ANTENNAS
343/700R			ANTENNAS
343/772			.Wave guide type (e.g., horn)
343/785			..Dielectric type (e.g., polystyrene rod)
4	343/840	(0 OR, 4 XR)	
Class	343	:	COMMUNICATIONS: RADIO WAVE ANTENNAS
343/700R			ANTENNAS
343/834			.Antenna with parasitic reflector
343/840			..Parabolic-type reflector with active antenna at focus
4	367/99	(2 OR, 2 XR)	
Class	367	:	COMMUNICATIONS, ELECTRICAL: ACOUSTIC WAVE

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SYSTEMS AND DEVICES

367/87 ECHO SYSTEMS  
367/99 .Distance or direction finding

3 180/169 (0 OR, 3 XR)  
Class 180 : MOTOR VEHICLES  
180/167 WITH MEANS FOR CONTROLLING OPERATION RESPONSIV

E  
TO ELECTROMAGNETIC RADIATION, MAGNETIC FOR  
CE, OR SOUND  
WAVES RECEIVED FROM SOURCE, OR REFLECTED F  
ROM OBJECT OR

180/169 SURFACE, LOCATED APART FROM VEHICLE  
.Radiation, force, or waves reflected from  
external object or surface

3 340/435 (1 OR, 2 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/425.5 LAND VEHICLE ALARMS OR INDICATORS  
340/435 .Of relative distance from an obstacle

3 340/904 (2 OR, 1 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/901 EXTERNAL CONDITION VEHICLE-MOUNTED INDICATOR O

R  
ALARM  
340/904 .Transmitter in one vehicle only

3 342/108 (0 OR, 3 XR)  
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES  
342/104 DETERMINING VELOCITY  
342/107 .Combined with determining distance and  
direction  
342/108 ..With correlation

3 342/113 (1 OR, 2 XR)  
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES  
342/104 DETERMINING VELOCITY  
342/113 .Combined with determining direction (i.e.,  
bearing)

3 342/116 (0 OR, 3 XR)  
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES  
342/104 DETERMINING VELOCITY  
342/116 .With plural received frequency band separatio

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- 3 342/125 (1 OR, 2 XR)  
     Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
                     AND DEVICES  
             342/118 DETERMINING DISTANCE  
             342/125 .With remote cooperating station
  
- 3 342/13 (3 OR, 0 XR)  
     Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
                     AND DEVICES  
             342/13 RADAR EW (ELECTRONIC WARFARE)
  
- 3 342/133 (0 OR, 3 XR)  
     Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
                     AND DEVICES  
             342/118 DETERMINING DISTANCE  
             342/128 .With frequency modulation  
             342/133 ..Combined with determining direction
  
- 3 342/134 (1 OR, 2 XR)  
     Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
                     AND DEVICES  
             342/118 DETERMINING DISTANCE  
             342/134 .With pulse modulation
  
- 3 342/155 (0 OR, 3 XR)  
     Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
                     AND DEVICES  
             342/147 DETERMINING DIRECTION  
             342/155 .Lobe switching
  
- 3 342/156 (1 OR, 2 XR)  
     Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
                     AND DEVICES  
             342/147 DETERMINING DIRECTION  
             342/156 .Interferometer
  
- 3 342/157 (0 OR, 3 XR)  
     Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
                     AND DEVICES  
             342/147 DETERMINING DIRECTION  
             342/157 .With frequency or phase steering
  
- 3 342/189 (0 OR, 3 XR)  
     Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
                     AND DEVICES

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- 342/175 WITH PARTICULAR CIRCUIT  
342/189 .For correlation
- 3 342/26D (2 OR, 1 XR)  
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES  
342/26R Radar for meteorological use (EPO)  
342/26D .Ground based (EPO)
- 3 342/43 (0 OR, 3 XR)  
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES  
342/42 RADAR TRANSPONDER SYSTEM  
342/43 .Combined with primary radar system
- 3 342/442 (1 OR, 2 XR)  
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES  
342/350 DIRECTIVE  
342/385 .Beacon or receiver  
342/417 ..Direction-finding receiver only  
342/442 ...Having a phase detector
- 3 342/61 (1 OR, 2 XR)  
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES  
342/61 RETURN SIGNAL CONTROLS EXTERNAL DEVICE
- 3 342/91 (1 OR, 2 XR)  
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES  
342/73 RETURN SIGNAL CONTROLS RADAR SYSTEM  
342/89 .Receiver  
342/91 ..Gain or threshold
- 3 343/705 (2 OR, 1 XR)  
Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS  
343/700R ANTENNAS  
343/705 .With aircraft
- 3 343/772 (1 OR, 2 XR)  
Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS  
343/700R ANTENNAS  
343/772 .Wave guide type (e.g., horn)
- 3 343/776 (1 OR, 2 XR)  
Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS  
343/700R ANTENNAS



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343/772 .Wave guide type (e.g., horn)  
343/776 ..Plural

3 343/781P (1 OR, 2 XR)  
Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS  
343/700R ANTENNAS  
343/772 .Wave guide type (e.g., horn)  
343/781R ..With external reflector or director  
343/781P ...Plural reflectors

3 343/781R (1 OR, 2 XR)  
Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS  
343/700R ANTENNAS  
343/772 .Wave guide type (e.g., horn)  
343/781R ..With external reflector or director

3 343/909 (0 OR, 3 XR)  
Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS  
343/700R ANTENNAS  
343/907 .Antenna components  
343/909 ..Refracting means and radio wave energy  
filters (e.g., lenses and polarizers)

3 343/911R (0 OR, 3 XR)  
Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS  
343/700R ANTENNAS  
343/907 .Antenna components  
343/909 ..Refracting means and radio wave energy  
filters (e.g., lenses and polarizers)  
343/911R ...Dielectric type

3 701/96 (2 OR, 1 XR)  
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND  
RELATIVE LOCATION  
701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR  
INDICATION  
701/70 .Indication or control of braking,  
acceleration, or deceleration  
701/93 ..Vehicle speed control (e.g., cruise control)  
701/96 ...Having inter-vehicle distance or speed  
control

2 73/290V (2 OR, 0 XR)  
Class 073 : MEASURING AND TESTING  
73/290R LIQUID LEVEL OR DEPTH GAUGE  
73/290V .Vibratory type

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2 73/488 (2 OR, 0 XR)  
 Class 073 : MEASURING AND TESTING  
 73/488 SPEED, VELOCITY, OR ACCELERATION

2 180/268 (0 OR, 2 XR)  
 Class 180 : MOTOR VEHICLES  
 180/268 WITH BELT OR HARNESS FOR RESTRAINING OCCUPANT,  
 AND MEANS WHEREBY THE BELT OR HARNESS CONTR

OLS, OR IS

CONTROLLED BY, THE FUNCTIONING OF A VEHICLE  
 SYSTEM OR  
 COMPONENT

2 180/272 (0 OR, 2 XR)  
 Class 180 : MOTOR VEHICLES  
 180/271 WITH MEANS FOR PROMOTING SAFETY OF VEHICLE, IT

S  
 OCCUPANT OR LOAD, OR AN EXTERNAL OBJECT  
 180/272 .Responsive to absence or inattention of  
 operator, or negatively reactive to attempt  
 to operate  
 vehicle by person not qualified mentally or  
 physically to  
 do so

2 180/273 (0 OR, 2 XR)  
 Class 180 : MOTOR VEHICLES  
 180/271 WITH MEANS FOR PROMOTING SAFETY OF VEHICLE, IT

S  
 OCCUPANT OR LOAD, OR AN EXTERNAL OBJECT  
 180/272 .Responsive to absence or inattention of  
 operator, or negatively reactive to attempt  
 t to operate  
 vehicle by person not qualified mentally o  
 r physically to  
 do so

180/273 ..Utilizing weight, or lack thereof, of  
 operator on seat or other support to determ  
 ine presence or  
 absence

2 180/282 (0 OR, 2 XR)  
 Class 180 : MOTOR VEHICLES  
 180/271 WITH MEANS FOR PROMOTING SAFETY OF VEHICLE, IT

S  
 OCCUPANT OR LOAD, OR AN EXTERNAL OBJECT  
 180/282 .Responsive to sensing of acceleration,  
 deceleration, or tilt of vehicle

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2 250/334 (0 OR, 2 XR)  
 Class 250 : RADIANT ENERGY  
 250/330 INFRARED-TO-VISIBLE IMAGING  
 250/334 .Including means for scanning field of view

2 280/730.2 (1 OR, 1 XR)  
 Class 280 : LAND VEHICLES  
 280/29 WHEELED  
 280/727 .Attachment  
 280/728.1 ..Inflatable passenger restraint or confinement  
 t (e.g., air bag) or attachment  
 280/730.1 ...Inflated confinement specially positioned  
 relative to occupant or conforming to the  
 body shape of  
 occupant  
 280/730.2 ....Mounted in vehicle and positioned laterall  
 y of occupant

2 324/160 (0 OR, 2 XR)  
 Class 324 : ELECTRICITY: MEASURING AND TESTING  
 324/160 ELECTRICAL SPEED MEASURING

2 324/326 (1 OR, 1 XR)  
 Class 324 : ELECTRICITY: MEASURING AND TESTING  
 324/323 OF GEOPHYSICAL SURFACE OR SUBSURFACE IN SITU  
 324/326 .For small object detection or location

2 324/329 (1 OR, 1 XR)  
 Class 324 : ELECTRICITY: MEASURING AND TESTING  
 324/323 OF GEOPHYSICAL SURFACE OR SUBSURFACE IN SITU  
 324/326 .For small object detection or location  
 324/329 ..Using movable transmitter and receiver

2 324/631 (0 OR, 2 XR)  
 Class 324 : ELECTRICITY: MEASURING AND TESTING  
 324/600 IMPEDANCE, ADMITTANCE OR OTHER QUANTITIES  
 REPRESENTATIVE OF ELECTRICAL STIMULUS/RES  
 PONSE  
 RELATIONSHIPS  
 324/629 .Distributive type parameters  
 324/631 ..Using wave polarization (e.g., field  
 rotation)

2 324/632 (1 OR, 1 XR)  
 Class 324 : ELECTRICITY: MEASURING AND TESTING

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324/600 IMPEDANCE, ADMITTANCE OR OTHER QUANTITIES  
REPRESENTATIVE OF ELECTRICAL STIMULUS/RES

PONSE

RELATIONSHIPS

324/629 .Distributive type parameters  
324/632 ..Using particular field coupling type (e.g.,  
fringing field)

2 324/644 (1 OR, 1 XR)

Class 324 : ELECTRICITY: MEASURING AND TESTING  
324/600 IMPEDANCE, ADMITTANCE OR OTHER QUANTITIES  
REPRESENTATIVE OF ELECTRICAL STIMULUS/R

ESPONSE

RELATIONSHIPS

324/629 .Distributive type parameters  
324/637 ..Using transmitted or reflected microwaves  
324/642 ...Where energy is reflected (e.g.,  
reflectometry)  
324/644 ....To determine dimension (e.g., distance or  
thickness)

2 340/573.1 (0 OR, 2 XR)

Class 340 : COMMUNICATIONS: ELECTRICAL  
340/500 CONDITION RESPONSIVE INDICATING SYSTEM  
340/540 .Specific condition  
340/573.1 ..Human or animal

2 340/825.72 (0 OR, 2 XR)

Class 340 : COMMUNICATIONS: ELECTRICAL  
340/825 SELECTIVE  
340/825.71 .Frequency responsive actuation  
340/825.72 ..Wireless link

2 342/101 (0 OR, 2 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES  
342/73 RETURN SIGNAL CONTROLS RADAR SYSTEM  
342/89 .Receiver  
342/98 ..Frequency  
342/99 ...Doppler frequency tracking  
342/101 ....With filter control

2 342/103 (1 OR, 1 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES  
342/73 RETURN SIGNAL CONTROLS RADAR SYSTEM  
342/89 .Receiver  
342/98 ..Frequency

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	342/102	...Phase
	342/103	....Phase locked loop
2	342/105	(0 OR, 2 XR)
	Class	342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/104	DETERMINING VELOCITY
	342/105	.Other than doppler (e.g., range rate)
2	342/114	(0 OR, 2 XR)
	Class	342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/104	DETERMINING VELOCITY
	342/114	.Combined with determining sense of motion (i.e., approaching or receding)
2	342/117	(0 OR, 2 XR)
	Class	342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/104	DETERMINING VELOCITY
	342/117	.With plural beams (e.g., "Janus")
2	342/130	(1 OR, 1 XR)
	Class	342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/118	DETERMINING DISTANCE
	342/128	.With frequency modulation
	342/130	..Plural modulation
2	342/135	(0 OR, 2 XR)
	Class	342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/118	DETERMINING DISTANCE
	342/134	.With pulse modulation
	342/135	..Digital (e.g., with counter)
2	342/140	(0 OR, 2 XR)
	Class	342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/118	DETERMINING DISTANCE
	342/134	.With pulse modulation
	342/139	..Combined with determining direction
	342/140	...With azimuth and elevation determination
2	342/141	(0 OR, 2 XR)
	Class	342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/118	DETERMINING DISTANCE

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342/134 .With pulse modulation

342/139 ..Combined with determining direction

342/141 ...Off boresight

2 342/148 (2 OR, 0 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES

342/147 DETERMINING DIRECTION

342/148 .Low angle processing

2 342/25B (2 OR, 0 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES

342/25R SYNTHETIC APERTURE RADAR

342/25A .Mapping or imaging using synthetic aperture  
radar (EPO)

342/25B ..Specially adapted for moving target detectio  
n  
(EPO)

2 342/25D (1 OR, 1 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES

342/25R SYNTHETIC APERTURE RADAR

342/25A .Mapping or imaging using synthetic aperture  
radar (EPO)

342/25D ..With frequency domain processing of the SAR  
signals in azimuth (EPO)

2 342/25F (0 OR, 2 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES

342/25R SYNTHETIC APERTURE RADAR

342/25A .Mapping or imaging using synthetic aperture  
radar (EPO)

342/25F ..Particular SAR processing techniques (e.g.,  
squint mode, doppler beam-sharpening mode,  
spotlight mode,  
bistatic SAR, inverse SAR) (EPO)

2 342/29 (1 OR, 1 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES

342/29 AIRCRAFT COLLISION AVOIDANCE SYSTEM (CAS)

2 342/3 (1 OR, 1 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES

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342/1 RADIO WAVE ABSORBER  
342/3 .For camouflage

2 342/357.08 (0 OR, 2 XR)  
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES  
342/350 DIRECTIVE  
342/352 .Including a satellite  
342/357.01 ..With position indicating  
342/357.06 ...Using Global Positioning Satellite (GPS or  
Glonass)  
342/357.08 ....Determining relative position (e.g.,  
distance or direction)

2 342/359 (1 OR, 1 XR)  
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES  
342/350 DIRECTIVE  
342/359 .Including antenna orientation

2 342/37 (0 OR, 2 XR)  
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES  
342/36 AIR TRAFFIC CONTROL  
342/37 .Secondary Surveillance Radar (SSR) or Air  
Traffic Control Radar Beacon System (ATCRBS)

2 342/373 (1 OR, 1 XR)  
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES  
342/350 DIRECTIVE  
342/368 .Including a steerable array  
342/373 ..With a matrix

2 342/375 (1 OR, 1 XR)  
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES  
342/350 DIRECTIVE  
342/368 .Including a steerable array  
342/375 ..With a delay line (e.g., serpentine  
transmission line, frequency scanning)

2 342/4 (0 OR, 2 XR)  
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES  
342/1 RADIO WAVE ABSORBER  
342/4 .With particular geometric configuration

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2	342/54	(0 OR, 2 XR)
	Class	342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/52	COMBINED WITH DIVERSE TYPE RADIANT ENERGY SYSTEM
	342/54	.With laser
2	342/6	(1 OR, 1 XR)
	Class	342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/5	RADAR REFLECTOR
	342/6	.With modulation
2	342/69	(1 OR, 1 XR)
	Class	342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/61	RETURN SIGNAL CONTROLS EXTERNAL DEVICE
	342/69	.Device actuated by presence of land vehicle
2	342/82	(1 OR, 1 XR)
	Class	342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/73	RETURN SIGNAL CONTROLS RADAR SYSTEM
	342/82	.Transmitter
2	342/85	(0 OR, 2 XR)
	Class	342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/73	RETURN SIGNAL CONTROLS RADAR SYSTEM
	342/82	.Transmitter
	342/83	..Signal phase or frequency other than pulse repetition frequency (PRF)
	342/85	...Function of distance
2	342/88	(0 OR, 2 XR)
	Class	342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/73	RETURN SIGNAL CONTROLS RADAR SYSTEM
	342/82	.Transmitter
	342/88	..Transmission timing (e.g., ring around)
2	342/93	(1 OR, 1 XR)
	Class	342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/73	RETURN SIGNAL CONTROLS RADAR SYSTEM
	342/89	.Receiver
	342/91	..Gain or threshold



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342/93                   ...Constant false alarm rate (CFAR)

2   343/703           (0 OR, 2 XR)

Class   343 :   COMMUNICATIONS:   RADIO WAVE ANTENNAS

343/700R           ANTENNAS

343/703            .Measuring signal energy

2   343/708           (1 OR, 1 XR)

Class   343 :   COMMUNICATIONS:   RADIO WAVE ANTENNAS

343/700R           ANTENNAS

343/705            .With aircraft

343/708            ..Aircraft part of active antenna or vice vers

a

2   343/725           (2 OR, 0 XR)

Class   343 :   COMMUNICATIONS:   RADIO WAVE ANTENNAS

343/700R           ANTENNAS

343/725            .Plural separate diverse type

2   343/753           (2 OR, 0 XR)

Class   343 :   COMMUNICATIONS:   RADIO WAVE ANTENNAS

343/700R           ANTENNAS

343/753            .With spaced or external radio wave refractor  
                    (e.g., lens)

2   343/778           (1 OR, 1 XR)

Class   343 :   COMMUNICATIONS:   RADIO WAVE ANTENNAS

343/700R           ANTENNAS

343/772            .Wave guide type (e.g., horn)

343/776            ..Plural

343/778            ...With phasing

2   343/779           (1 OR, 1 XR)

Class   343 :   COMMUNICATIONS:   RADIO WAVE ANTENNAS

343/700R           ANTENNAS

343/772            .Wave guide type (e.g., horn)

343/776            ..Plural

343/779            ...With reflector

2   343/780           (1 OR, 1 XR)

Class   343 :   COMMUNICATIONS:   RADIO WAVE ANTENNAS

343/700R           ANTENNAS

343/772            .Wave guide type (e.g., horn)

343/780            .."Pillbox" type

2   343/781CA        (1 OR, 1 XR)

Class   343 :   COMMUNICATIONS:   RADIO WAVE ANTENNAS

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- 343/700R ANTENNAS
- 343/772 .Wave guide type (e.g., horn)
- 343/781R ..With external reflector or director
- 343/781CA ...With main and subreflector (Casse-grain type)
  
- 2 343/787 (0 OR, 2 XR)
  - Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
  - 343/700R ANTENNAS
  - 343/787 .Including magnetic material
  
- 2 343/797 (2 OR, 0 XR)
  - Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
  - 343/700R ANTENNAS
  - 343/793 .Balanced doublet - centerfed (e.g., dipole)
  - 343/797 ..Plural crossed (e.g., turnstile)
  
- 2 343/807 (0 OR, 2 XR)
  - Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
  - 343/700R ANTENNAS
  - 343/793 .Balanced doublet - centerfed (e.g., dipole)
  - 343/807 ..Tapered, thick, or enlarged arms
  
- 2 343/895 (2 OR, 0 XR)
  - Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
  - 343/700R ANTENNAS
  - 343/895 .Spiral or helical type
  
- 2 343/900 (0 OR, 2 XR)
  - Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
  - 343/700R ANTENNAS
  - 343/900 .Rod type
  
- 2 343/915 (2 OR, 0 XR)
  - Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
  - 343/700R ANTENNAS
  - 343/907 .Antenna components
  - 343/912 ..Reflector or director
  - 343/915 ...Collapsible, foldable or adjustable
  
- 2 343/DIG 2 (0 OR, 2 XR)
  - Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
  - 343/DIG 2 Satellite-mounted antenna
  
- 2 356/28 (1 OR, 1 XR)
  - Class 356 : OPTICS: MEASURING AND TESTING
  - 356/27 VELOCITY OR VELOCITY/HEIGHT MEASURING
  - 356/28 .With light detector (e.g., photocell)

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- 2 356/28.5 (0 OR, 2 XR)
  - Class 356 : OPTICS: MEASURING AND TESTING
  - 356/27 VELOCITY OR VELOCITY/HEIGHT MEASURING
  - 356/28 .With light detector (e.g., photocell)
  - 356/28.5 ..Of light interference (e.g., interferometer)
  
- 2 356/5.01 (1 OR, 1 XR)
  - Class 356 : OPTICS: MEASURING AND TESTING
  - 356/3 RANGE OR REMOTE DISTANCE FINDING
  - 356/4.01 .With photodetection
  - 356/5.01 ..Of pulse transit time
  
- 2 367/103 (2 OR, 0 XR)
  - Class 367 : COMMUNICATIONS, ELECTRICAL: ACOUSTIC WAVE  
SYSTEMS AND DEVICES
  - 367/87 ECHO SYSTEMS
  - 367/99 .Distance or direction finding
  - 367/103 ..With beam steering, scanning, or focussing
  
- 2 367/11 (1 OR, 1 XR)
  - Class 367 : COMMUNICATIONS, ELECTRICAL: ACOUSTIC WAVE  
SYSTEMS AND DEVICES
  - 367/7 ACOUSTIC IMAGE CONVERSION
  - 367/11 .With memory means
  
- 2 367/112 (0 OR, 2 XR)
  - Class 367 : COMMUNICATIONS, ELECTRICAL: ACOUSTIC WAVE  
SYSTEMS AND DEVICES
  - 367/87 ECHO SYSTEMS
  - 367/99 .Distance or direction finding
  - 367/107 ..With indicator
  - 367/112 ...Alarm
  
- 2 367/88 (2 OR, 0 XR)
  - Class 367 : COMMUNICATIONS, ELECTRICAL: ACOUSTIC WAVE  
SYSTEMS AND DEVICES
  - 367/87 ECHO SYSTEMS
  - 367/88 .Side scanning or contour mapping sonar system
  
- 2 367/89 (2 OR, 0 XR)
  - Class 367 : COMMUNICATIONS, ELECTRICAL: ACOUSTIC WAVE  
SYSTEMS AND DEVICES
  - 367/87 ECHO SYSTEMS
  - 367/89 .Speed determination

s

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2 367/909 (0 OR, 2 XR)  
     Class 367 : COMMUNICATIONS, ELECTRICAL: ACOUSTIC WAVE  
                     SYSTEMS AND DEVICES  
     367/909 COLLISION AVOIDANCE

2 473/199 (2 OR, 0 XR)  
     Class 473 : GAMES USING TANGIBLE PROJECTILE  
     473/131 GOLF  
     473/198 .Moving projectile responsive sensor or  
                     indicator  
     473/199 ..Electrical

2 473/415 (0 OR, 2 XR)  
     Class 473 : GAMES USING TANGIBLE PROJECTILE  
     473/415 PLAYING FIELD OR COURT GAME; GAME ELEMENT OR  
     ACCESSORY THEREFOR OTHER THAN PROJECTOR OR  
 PROJECTILE, PER  
                     SE

2 701/215 (0 OR, 2 XR)  
     Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND  
                     RELATIVE LOCATION  
     701/200 NAVIGATION  
     701/207 .Employing position determining equipment  
     701/213 ..Using Global Positioning System (GPS)  
     701/214 ...Means to improve accuracy of position or  
                     location  
     701/215 ....Having multiple GPS antennas or receivers  
                     (e.g., differential GPS)

2 701/93 (0 OR, 2 XR)  
     Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND  
                     RELATIVE LOCATION  
     701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR  
                     INDICATION  
     701/70 .Indication or control of braking,  
                     acceleration, or deceleration  
     701/93 ..Vehicle speed control (e.g., cruise control)

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5424745 79  
5760732 79  
5563604 72  
4885556 71  
5243352 71  
5252983 71  
6323802 71  
5880698 70  
6202485 70  
6499346 70  
6614391 70  
5497158 70  
6011507 69  
6087975 69  
6104336 69  
4459596 69  
4806934 69  
5905457 69  
6133997 68  
5659321 66  
6369748 66  
4312002 66  
4973966 66  
5323162 66  
5493308 66  
5579010 66  
5977903 66  
6018307 66  
6130607 66  
6343810 66  
6359597 66  
6370475 66  
6474683 66  
4963890 64  
4843397 64  
6097669 64  
6215458 64  
6215458 64  
6327221 62  
6549487 62  
4897664 62  
5008677 62  
4340892 62  
4348680 62  
4400701 62  
4468673 62  
4553113 62  
4608569 62

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4791424 62  
4796031 62  
4801941 62  
4841308 62  
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10501709\_CLS

Most Frequently Occurring Classifications of Patents Returned  
From A Search of 10501709 on May 09, 2005

Original Classifications

36	342/70
9	342/124
6	280/735
6	342/22
4	342/159
4	342/378
4	343/700MS
4	701/301
4	701/45
3	73/290R
3	342/13
3	342/160
3	342/161
3	342/17
3	342/174
3	342/25R
3	342/379
3	342/381
3	342/382
3	342/71
3	342/74
3	343/771
2	73/290V
2	73/488
2	340/436
2	340/904
2	342/115
2	342/148
2	342/149
2	342/16
2	342/179
2	342/192
2	342/196
2	342/25A
2	342/25B
2	342/26D
2	342/28
2	342/361
2	342/368
2	342/372
2	342/384
2	342/90
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2 367/103  
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2 367/89  
2 367/99  
2 473/199  
2 701/96

Cross-Reference Classifications

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18 342/195  
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9 342/109  
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9 342/27  
9 342/71  
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2 473/415  
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2 701/93

Combined Classifications

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49 342/70  
23 342/196  
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